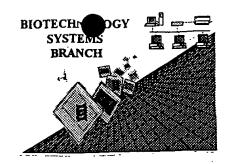
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/963,668

Source: 01PE

Date Processed by STIC: 10/10/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
- FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2:1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3:0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

http://www.uspto.gov/web/offices/pac/checker

OIPE

RAW SEQUENCE LISTING DATE: 10/10/2001 PATENT APPLICATION: US/09/963,668 TIME: 10:56:12

Input Set : A:\000425 BTe AL1_Dpckaec.app
Output Set: N:\CRF3\10102001\1963668.raw

Does Not Comply
Corrected Diskette Needed

ERRORED SEQUENCES

```
18 <210> SEQ ID NO:__1
19 <211> LENGTH (1622
20 <212> TYPE: DNA
21 <213> ORGANISM: Escherichia coli
23 <220> FEATURE:
24 <221> NAME/KEY: CDS
25 <222> LOCATION: (1)..(1620)
26 <223> OTHER INFORMATION: pckA
28 <400> SEQUENCE: 1
29 atg cgc gtt aac aat ggt ttg acc ccg caa gaa ctc gag gct tat ggt
                                                                      48
30 Met Arg Val Asn Asn Gly Leu Thr Pro Gln Glu Leu Glu Ala Tyr Gly
33 atc agt gac gta cat gat atc gtt tac aac cca agc tac gac ctg ctg
34 Ile Ser Asp Val His Asp Ile Val Tyr Asn Pro Ser Tyr Asp Leu Leu
37 tat cag gaa gag ctc gat ccg agc ctg aca ggt tat gag cgc ggg gtg
38 Tyr Gln Glu Glu Leu Asp Pro Ser Leu Thr Gly Tyr Glu Arg Gly Val
            35
                                40
                                                     45
41 tta act aat ctg ggt gcc gtt gcc gtc gat acc ggg atc ttc acc ggt
                                                                      192
42 Leu Thr Asn Leu Gly Ala Val Ala Val Asp Thr Gly Ile Phe Thr Gly
                            55
45 cgt tca cca aaa gat aag tat atc gtc cgt gac gat acc act cgc gat
                                                                      240
46 Arg Ser Pro Lys Asp Lys Tyr Ile Val Arg Asp Asp Thr Thr Arg Asp
                                                                      288
49 act ttc tgg tgg gca gac aaa ggc aaa ggt aag aac gac aac aaa cct
50 Thr Phe Trp Trp Ala Asp Lys Gly Lys Gly Lys Asn Asp Asn Lys Pro
                    85
53 ctc tct ccg gaa acc tgg cag cat ctg aaa ggc ctg gtg acc agg cag
                                                                      336
54 Leu Ser Pro Glu Thr Trp Gln His Leu Lys Gly Leu Val Thr Arg Gln
57 ctt tcc ggc aaa cgt ctg ttc gtt gtc gac gct ttc tgt ggt gcg aac
                                                                      384
58 Leu Ser Gly Lys Arg Leu Phe Val Val Asp Ala Phe Cys Gly Ala Asn
59
           115
                               120
62 ccg gat act cgt ctt tcc gtc cgt ttc atc acc gaa gtg gcc tgg cag
                                                                      432
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RAW SEQUENCE LISTING DATE: 10/10/2001 PATENT APPLICATION: US/09/963,668 TIME: 10:56:12

Input Set : A:\000425 BTe AL1_Dpckaec.app
Output Set: N:\CRF3\10102001\1963668.raw

63	Pro	Asp	Thr	Arg	Leu	Ser	Val	Arg	Phe	Ile	Thr	Glu	Val	Ala	Trp	Gln	
64		130					135					140					
	gcg																480
	Ala		Phe	Val	Lys		Met	Phe	Ile	Arg		Ser	Asp	Glu	Glu		
68	145.					150					155					160	
	gca																528
71	Ala	Gly	Phe	Lys	Pro	Asp	Phe	Ile	Val	Met	Asn	Gly	Ala	Lys		Thr	
72					165					170					175		
	aac																576
75	Asn	Pro	Gln	Trp	Lys	Glu	Gln	Gly	Leu	Asn	Ser	Glu	Asn	Phe	Val	Ala	
76				180					185					190			
	ttt																624
79	Phe	Asn	Leu	Thr	Glu	Arg	Met	Gln	Leu	Ile	Gly	Gly	Thr	Trp	Tyr	Gly	
80			195					200					205				
	ggc																672
83	Gly	Glu	Met	Lys	Lys	Gly	Met	Phe	Ser	Met	Met	Asn	Tyr	Leu	Leu	Pro	
84		210					215					220					
	ctg																720
87	Leu	Lys	Gly	Ile	Ala	Ser	Met	His	Cys	Ser	Ala	Asn	Val	Gly	Glu	Lys	
88	225					230					235					240	
	ggc																768
91	Gly	Asp	Val	Ala	Val	Phe	Phe	Gly	Leu	Ser	Gly	Thr	Gly	Lys	Thr	Thr	
92					245					250					255		
	ctt																816
95	Leu	Ser	Thr	Asp	Pro	Lys	Arg	Arg	Leu	Ile	Gly	Asp	Asp	Glu	His	Gly	
96				260					265					270			
	tgg																864
99	${\tt Trp}$	Asp	Asp	Asp	Gly	Val	Phe	Asn	Phe	Glu	Gly	Gly	Cys	Tyr	Ala	Lys	
100			275					280					285				
																atc	912
103	3 Thr	: Ile	E Lys	Leu	Ser	Lys	Glu	Ala	Glu	Pro	Glu			Asr	ı Ala	ı Ile	
104		290					. 295					300				•	
																cact	960
107	' Arg	Arg	, Ast	Ala	Leu			Asn	val	. Thi			, Glu	Asp	Gly	Thr	
	305					310					315					320	
																tat	1008
111	. Ile	Asp	Phe	Asp	Asp	Gly	Ser	. Lys	Thr	Glu	ı Asr	Thi	Arg	Val	. Sei	r Tyr	
112					325					330					335		
114	ccg	ato	tat	cac	ato	gat	aac	att	.gtt	. aag	L cca	, gtt	. tcc	aaa	ı geç	i aac	1056
115	Pro	Ile	e Tyr	His	Ile	Asp	Asn	Ile	val	. Lys	Pro	Val	. Ser	. Lys	Ala	Gly	=
116				340					345					350			
																, ttg	1104
		Ala			Val	Ile	Phe			Ala	Asp) Ala			val	Leu	
120			355					360					365				
																ctc	1152
				. Ser	Arg	Leu			Asp	Glr	Thr			His	Phe	Leu	
125		370					375					380					
																gaa	1200
128	Ser	Gly	⁷ Phe	Thr	Ala	Lys	Leu	Ala	Gly	Thr	Glu	. Arg	Gly	Ile	Thi	Glu	

RAW SEQUENCE LISTING DATE: 10/10/2001 PATENT APPLICATION: US/09/963,668 TIME: 10:56:12

Input Set : A:\000425 BTe AL1_Dpckaec.app
Output Set: N:\CRF3\10102001\1963668.raw

>	165		530					535					540					
•		Ala	_	Ala	Ala	Leu	Val		Ala	Gly	Pro	Lys						
		gcg		_		_	-							taa				(1623)
	161			515					520					525				
	160	Leu	Ala	Lys	Leu	Phe	Ile	Asp	Asn	Phe	Asp	Lys	Tyr	Thr	Asp	Thr	Pro	_
	159	ctg	gcg	aaa	ctg	ttt	atc	gac	aac	ttc	gat	aaa	tac	acc	gac	acc	cct	1584
	157				500					505					510			
	156	Arg	Asn	Thr	Tyr	Āla	Ser	Pro	Ğlu	Gln	Trp	Gln	Glu	Lys	Ala	Glu	Thr	
	155	cgt	aac	acc	tac	gct	tct	ccg	gaa	cag	tgg	cag	gaa	aaa	gcc	gaa	acc	1536
	153					485			-		490		-			495		
		Ala					_	_		-	_	_	_			_	_	
		aca	atc	cca	acc	gaa		ccq	qqc	qta	qac	acq	aaq	att	ctc	gat	ccg	1488
	149		J-1	u			470	J_U				475					480	
		Gly																
		ggt		cta	σat	aat	gga		acc	ttc	act	cta		atσ	ttt	aac	ctσ	1440
	144	ALY	450	261	116	цуз	vah	455	пта	чта	116	116	460	17.11	11,6	ысц	non	
		Arg																1392
	141	cgt	2 + 4		a++	222	~~+	200		~~~	2++	2+0	~ ~ ~		ata	ata	220	1392
		Gly	Ата	435	Ala	TAL	Leu	vaı	440	THE	GTÀ	тгр	ASI	445	THE	GIY	ьys	
		ggc																1344
	137				420					425					430			1244
		His	Pro	Thr		\mathtt{Tyr}	Ala	Glu	Val		Val	Lys	Arg	Met		Ala	Ala	
		cac																1296
	133					405					410					415		
	132	Pro	Thr	Pro	Thr	Phe	Ser	Ala	Cys	Phe	Gly	Ala	Ala	Phe	Leu	Ser	Leu	
	131	ccg	acg	cca	acc	ttc	tcc	gct	tgc	ttc	ggc	gcg	gca	ttc	ctg	tcg	ctg	1248
	129	385					390					395					400	

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/963,668

DATE: 10/10/2001 TIME: 10:56:13

Input Set : A:\000425 BTe AL1_Dpckaec.app
Output Set: N:\CRF3\10102001\I963668.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:165 M:252 E: No. of Seq. differs, <211>LENGTH:Input:1622 Found:1623 SEQ:1